Contents

Number 1, January 1983

i Editorial

1 LESLIE ANN MITCHELL, R. B. WESTCOTT and L. E. PERRYMAN: Kinetics of expulsion of the nematode *Nippostrongylus brasiliensis*, in mast-cell deficient W/W^v mice

13 L. J. LINDOR, D. L. WASSOM and G. J. GLEICH: Effects of trichinellosis on levels of eosinophils, eosinophil major basic protein, creatine kinase and basophils in the guinea pig

25 R. KAJI, T. KAMIJO, A. YANO and S. KOJIMA: Genetic control of immune responses to *Schistosoma japonicum* antigen

37 KATHY M. CRUISE, G. F. MITCHELL, E. G. GARCIA, W. U. TIU, ROBYN E. HOCKING and R. F. ANDERS: Sj23, the target antigen in *Schistosoma japonicum* adult worms of an immunodiagnostic hybridoma antibody

47 D. W. DUNNE, O. HASSOUNAH, R. MUSALLAM, S. LUCAS, M. B. PEPYS, MARILYN BALTZ and M. DOENHOFF: Mechanisms of *Schistosoma mansoni* egg excretion: Parasitological observations in immunosuppressed mice reconstituted with immune serum

61 J. M. REUBEN and C. E. TANNER: Protection against experimental echinococcosis by non-specifically stimulated peritoneal cells

67 Y. H. THONG, R. F. CARTER, A. FERRANTE and B. ROWAN-KELLY: Site of expression of immunity to *Naegleria fowleri* in immunized mice

77 A. F. LÓPEZ, R. RIBEIRO DOS SANTOS and C. J. SANDERSON: Antibody-dependent cytotoxicity of *Trypanosoma cruzi* antigen-coated mouse cell lines by eosinophils and neutrophils

85 D. D. WHITELAW, J. A. MacASKILL, P. H. HOLMES, F. W. JENNINGS and G. M. URQUHART: Immune mechanisms in C57Bl mice genetically resistant to *Trypanosoma congolense* infection. I. Effects of immune modulation

95 G. A. INGRAM and D. H. MOLYNEUX: The primary humoral immune

response of European green lizards (*Lacerta viridis*) to *Leishmania agamae*

109 Letter to the Editors

Number 2, March 1983

113 GILLIAN S. DEAN, J. H. L. PLAYFAIR, D. A. DENHAM and N. NOSCOE: Effect of immunosuppressive or inflammatory agents on lymphatic dilatation in cats infected with *Brugia pahangi*

123 G. D. GRAY and R. S. PHILLIPS: Suppression of primary and secondary antibody responses and inhibition of antigen priming during *Babesia microti* infections in mice

135 M. H. BOYER, R. HOFF, THEREZA L. KIPNIS, E. D. MURPHY and J. B. ROTHS: *Trypanosoma cruzi*: susceptibility in mice carrying mutant gene *lpr* (lymphoproliferation)

143 A. M. HEUMANN, A. BUCCI, C. STIFFEL, O. CASAGLIA, P. ZENOBI and G. BIOZZI: Inheritance of post-vaccinal resistance against *Plasmodium berghei* infection in mice

151 C. D. MACKENZIE and C. J. F. SPRY: Selective localization of intravenously injected ^{111}indium-labelled eosinophils in rat tissues infected with *Nippostrongylus brasiliensis*

165 L. RÖNNBLOM, E. A. OJO-AMAIZE, LENA FRANZÉN, H. WIGZELL and G. V. ALM: *Plasmodium falciparum* parasites induce interferon production in human peripheral blood 'null' cells *in vitro*

173 ARUNA PARASHAR, S. SEHGAL, S. NAIK and B. K. AIKAT: Role of macrophage-processed antigen in a *Plasmodium berghei* model

183 E. LINDER and G. HUDT: Antibody-independent binding and activation of complement by *Schistosoma mansoni* adult worms

195 J. G. VOS, E. J. RUITENBERG, NETTY VAN BASTEN, JANNIE BUYS, ANNEKE ELGERSMA and W. KRUIZINGA: The athymic nude rat. IV. Immunocytochemical study to detect T-cells, and immunological and histopathological reactions against *Trichinella spiralis*

217 C. H. KING, P. J. SPAGNUOLO and B. M. GREENE: Chemotaxis of human granulocytes toward microfilariae of *Onchocerca volvulus*

Number 3, May 1983

225 W. TRAGER, H. N. LANNERS, H. A. STANLEY and S. G. LANGRETH: Immunization of owl monkeys to *Plasmodium falciparum* with merozoites from cultures of a knobless clone

237 I. A. ABRAHAMSOHN, M. H. S. L. BLOTTA and M. A. CUROTTO: Specific cutaneous hypersensitivity responses in mice infected or immunized with *Trypanosoma cruzi*

249 M. V. LONDNER, S. FRANKENBURG, G. M. SLUTZKY and C. L. GREENBLATT: Action of leishmanial excreted factor (EF) on human lymphocyte blast transformation

257 J. B. DE SOUZA and J. H. L. PLAYFAIR: Antilymphocyte autoantibody in lethal mouse malaria and its suppression by non-lethal malaria

267 F. R. RURANGIRWA, A. J. MUSOKE, V. M. NANTULYA and H. TABEL: Immune depression in bovine trypanosomiasis: effects of acute and chronic *Trypanosoma congolense* and chronic *Trypanosoma vivax* infections on antibody response to *Brucella abortus* vaccine

277 H. WEDRYCHOWICZ, J. M. MACLEAN and P. H. HOLMES: The detection and measurement of coproantibodies to *Nippostrongylus brasiliensis* in rats following a primary infection

289 M. AGYEI-FREMPONG and D. CATTY: The measurement of antigens released by radiation-attenuated *Trichinella spiralis* larvae

305 MARY M. FANNING and J. W. KAZURA: Genetic association of murine susceptibility to *Brugia malayi* microfilaraemia

317 T. P. YOSHINO and C. J. BAYNE: Mimicry of snail host antigens by miracidia and primary sporocysts of *Schistosoma mansoni*

329 A. J. TEALE, S. J. KEMP, FIONA YOUNG and R. L. SPOONER: Selection, by major histocompatibility type (BoLA), of lymphoid cells derived from a bovine chimaera and transformed by *Theileria* parasites

Number 4, July 1983

337 M. S. GREEN, J. D. KARK, C. L. GREENBLATT, M. V. LONDNER, S. FRANKENBURG and R. L. JACOBSON: The cellular and humoral immune response in subjects vaccinated against cutaneous leishmaniasis using *Leishmania tropica major* promastigotes

345 RACHAEL A. MASAKE, A. J. MUSOKE and VINAND M. NANTULYA: Specific antibody responses to the variable surface glycoproteins of *Trypanosoma congolense* in infected cattle

357 S. KHUSMITH and P. DRUILHE: Antibody-dependent ingestion of *P. falciparum* merozoites by human blood monocytes

369 E. GHADIRIAN and E. MEEROVITCH: Passive transfer of immunity against hepatic amoebiasis in the hamster by cells

377 J. C. VOLTARELLI, R. P. FALCÃO and J. SANTANA DA SILVA:

Antibody-dependent cellular cytotoxicity in chronic human Chagas disease

385 KAZUO SUGANE and TOMOO OSHIMA: Activation of complement in C-reactive protein positive sera by phosphorylcholine-bearing component isolated from parasite extract

397 J. M. BEHNKE, J. HANNAH and D. I. PRITCHARD: *Nematospiroides dubius* in the mouse: evidence that adult worms depress the expression of homologous immunity

409 R. E. B. HANNA and A. G. TRUDGETT: *Fasciola hepatica*: development of monoclonal antibodies and their use to characterize a glycocalyx antigen in migrating flukes

427 Brief communication
ANNE M. BARTON, LINDA E. COOPER and M. J. HOWELL: Direct lysis of erythrocytes by EGTA and calcium ions: implications complement activation by parasites

Number 5, September 1983

431 M. J. GILBREATH, R. P. MACDERMOTT, K. PAVANAND, P. PHISPHUMVITHI, S. KONGCHAREON and T. WIMONWATTRAWATEE: Deficiency of Con A-induced suppressor cell activity in peripheral blood mononuclear cells from Thai adults naturally infected with *Plasmodium falciparum* and *Plasmodium vivax*

441 I. S. BARSOUM, C. W. TODD, M. HABIB, M. A. EL ALAMY and D. G. COLLEY: The effects of indomethacin on *in vitro* peripheral blood mononuclear cell reactivity in human schistosomiasis

449 ORYSIA M. ULCZAK and JENEFER M. BLACKWELL: Immunoregulation of genetically controlled acquired responses to *Leishmania donovani* infection in mice: the effects of parasite dose, cyclophosphamide and sublethal irradiation

465 S. J. BLACK, C. N. SENDASHONGA, P. A. LALOR, D. D. WHITELAW, R. M. JACK, W. I. MORRISON and M. MURRAY: Regulation of the growth and differentiation of *Trypanosoma (Trypanozoon) brucei brucei* in resistant (C57Bl/6) and susceptible (C3H/He) mice

479 M. ELAINE ROSE and A. P. A. MOCKETT: Antibodies to coccidia: detection by the enzyme-linked immunosorbent assay (ELISA)

491 A. FERRANTE and A. C. ALLISON: Alternative pathway activation of complement by African trypanosomes lacking a glycoprotein coat

499 Q. D. BICKLE, M. J. FORD and B. J. ANDREWS: Studies on the development of anti-schistosomular surface antibodies by mice exposed to irradiated cercariae, adults and/or eggs of *S. mansoni*

513 D. K. K. HA, I. D. GARDNER and J. W. M. LAWTON: Characterization of macrophage function in *Mycobacterium lepraemurium*-infected mice: sensitivity of mice to endotoxin and release of mediators and lysosomal enzymes after endotoxin treatment

Number 6, November 1983

527 J. K. CRUICKSHANK, K. M. PRICE, C. D. MACKENZIE, C. J. F. SPRY and D. A. DENHAM: Infection of inbred and nude (athymic) rats with *Brugia* spp.

539 A. FERRANTE and A. C. ALLISON: Natural agglutinins to African trypanosomes

547 A. G. LUCKINS and A. R. GRAY: Interference with anti-trypanosome immune responses in rabbits infected with cyclically-transmitted *Trypanosoma congolense*

557 EMIL SKAMENE, MARY M. STEVENSON and SUZANNE LEMIEUX: Murine malaria: dissociation of natural killer (NK) cell activity and resistance to *Plasmodium chabaudi*

567 STEPHANIE L. JAMES and A. SHER: Mechanisms of protective immunity against *Schistosoma mansoni* infection in mice vaccinated with irradiated cercariae III. Identification of a mouse strain, P/N, that fails to respond to vaccination

577 J. A. MACASKILL, P. H. HOLMES, D. D. WHITELAW, F. W. JENNINGS and G. M. URQUHART: Immune mechanisms in C57B1 mice genetically resistant to *Trypanosoma congolense* infection. II. Aspects of the humoral response

587 K. PFISTER, K. TURNER, A. CURRIE, E. HALL and E. E. E. JARRETT: IgE production in rat fascioliasis

595 Brief communication
R. A. WILSON, P. S. COULSON and S. M. MCHUGH: A significant part of the 'concomitant immunity' of mice to *Schistosoma mansoni* is the consequence of a leaky hepatic portal system, not immune killing

603 Author index to Volume 5